Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Monday 18 Sep 2023 until 23:59 on Tuesday 19 Sep 2023

Forecast Issued on Sunday 17 Sep 2023 at 15:45

Confidence: High for poor conditions Monday morning, improving later in the day, followed by further rain Tuesday. Also high for winds strengthening, especially Tuesday. Confidence in details then become Low but remains high for the general theme of staying unsettled with sunny spells and showers or longer spells of rain.

Headline for Monday 18 Sep 2023: Early rain clearing early afternoon, to sunny spells and heavy, perhaps thundery, showers. Turning much cooler on the tops.

Mountain weather hazards on Monday 18 Sep 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
Low Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
Medium Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Light rain	Heavy Rain	Light rain showers	Heavy rain showers	Heavy rain showers (night)	Partly cloudy (night)
Precipitation probability							
40%	40%	30%	60%	40%	30%	30%	20%

Forecast for Monday 18 Sep 2023

Weather: Rain, perhaps isolated thunder, continuing for much of the morning, before clearing east around midday. Sunny spells, but also brisk westerly winds developing during the afternoon. Further isolated and gusty showers also spreading east, heavy and thundery at times, but moving quickly through. Feeling much cooler, especially on the tops.

Chance of cloud-free hill tops above 600m: 10% at first, but improving to 90%

Low Cloud and visibility: Widespread cloud at 500m, perhaps briefly 300m in west with heavy rain band late morning, before lifting and breaking quickly after rain clears during the afternoon. Then largely above summits. Moderate to Poor visibility beneath the cloud during the morning, but increasing to Very Good or Excellent views during the afternoon, although views of distant hills occasionally limited due to passing showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Monday 18 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/21 SE	15/21 S	17/24 S	18/26 W	20/29 W	22/33 W	18/28 W	15/22 W	19/29 W
300	9/21 SE	8/19 S	10/22 S	13/26 W	14/28 W	16/32 W	12/27 W	9/23 W	11/27 W
Valley	8/20 E	8/20 SE	9/22 S	10/22 W	13/27 W	14/28 W	12/27 W	6/18 W	10/25 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/10	12/10	12/9	10/7	10/6	9/4	7/3	6/2	6/2
300	14/12	14/13	14/12	13/10	12/9	12/9	9/6	8/6	8/6
Valley	15/14	16/15	15/14	14/12	13/11	13/10	11/8	10/8	10/8
Freezing Level*	2800m	2700m	2600m	2300m	2100m	1600m	1500m	1500m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Very poor conditions for much of the morning, with rain and perhaps isolated thunderstorms. Hills becoming much clearer, but also autumnal feeling during the afternoon. Further heavy showers will mean waterproofs will be needed and these could come and go rapidly, leading to sudden changes on the tops. Feeling cold in exposure, with brisk winds.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sun 17 Sep 2023	0mm	0mm	6.8mm

Forecast for Tuesday 19 Sep 2023

Weather: Cloud thickening from the west during the morning, with rain and drizzle spreading east. Rain and drizzle gradually becoming lighter through the day, but persistent on western upslopes. Some eastern hills drier. Milder than Monday, despite the very strong winds continuing to gradually strengthen. These especially strong across high level routes. Chance of heavier rain for all after dark.

Maximum wind: Southwesterly 30mph gusting 40mph, increasing to southwesterly 40mph gusting 50-60mph

Chance of cloud-free hill tops above 600m: 80% at first, but after dawn falling to near zero in west, 30% in east. Best chances during the afternoon.

Low Cloud and visibility: Widespread cloud obscuring hills at 600m in west, but areas of cloud possible at 400m. Cloud more broken and at 800m further east, with the best chance of clearer intervals during the afternoon. Moderate visibility for much of the day, and occasionally down to poor due to rain and drizzle.

Temperature: **Valleys:** Plus 9 Celsius rising to Plus 18 Celsius
At 600m: Plus 6 Celsius rising to Plus 13 Celsius
Freezing level: Above summits.

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